

Appl. No. 10/614,751
Amdt. Dated July 22, 2005
Reply to Office Action of April 22, 2005
Confirmation No. 6150

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for providing a single telephone number for use with a digital cordless handset and with a second handset plurality of handsets, the system comprising:

~~a first network including one or more~~ a wireless access points point wired to the ~~a~~ wired data network, the wireless access points point operative to communicate with the digital cordless handset via an unregulated wireless connection to provide wireless access to the wired data network ~~over an unregulated wireless connection for the digital cordless handset;~~

~~one or more at least one digital cordless handsets for communicating handset operative to communicate with the one or more wireless access points of the first network via the unregulated wireless connection in order to provide the voice and data services for wireless access to the wired data network; and~~

a second telecommunications network operative to provide telecommunications services in conjunction with ~~one or more handsets~~ the second handset operative for use with the second telecommunications network; and

wherein ~~a one at least one of the one or more~~ the digital cordless handsets handset and ~~a one of the one or more handsets~~ the second handset operative for use with the second telecommunications network are assigned a single telephone number.

2. (Currently Amended) The system of Claim 1, wherein a call directed toward the single telephone number is operative to generate a ring tone at the ~~one of the one or more digital cordless handsets handset~~ and at the one of the one or more handsets second handset for use with the second telecommunications network and ~~assigned the single telephone number~~

3. (Currently Amended) The system of Claim 2, wherein the ring tone is generated substantially simultaneously at the ~~one of the one or more~~ digital cordless

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~~handsets~~ handset and the ~~one of the one or more handsets~~ second handset assigned the single telephone number.

4. (Currently Amended) The system of ~~Claim 3~~ Claim 1, wherein the ~~second telecommunications~~ network comprises a public switched telephone network.

5. (Currently Amended) The system of Claim 4, wherein the ~~one or more handsets~~ second handset comprises at least one wired ~~handsets~~ handset connected to the public switched telephone network.

6. (Currently Amended) The system of ~~Claim 3~~ Claim 1, wherein the ~~second telecommunications~~ network comprises a wireless telecommunications network operative to provide wireless telecommunications on regulated wireless communications frequencies.

7. (Currently Amended) The system of Claim 6, wherein the ~~one or more handsets~~ second handset comprises a wireless device operative ~~for use with the second network to communicate with the wireless telecommunications network via the regulated wireless communications frequencies.~~

8. (Currently Amended) A method for providing a single telephone number for use with a plurality of handsets, the method comprising:

assigning a single telephone number to a first handset configured for use with a first telecommunications network, wherein the first telecommunications network comprises one or more wireless access points wired to a wired data network;

assigning the single telephone number to and a second handset configured for use with a second telecommunications network; and

providing wireless access via the wireless access points to the wired data network for the first handset over an unregulated wireless connection.

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9. (Original) The method of Claim 8, further comprising:
detecting an incoming communication from a calling party to the single
telephone number; and
in response to detection of the incoming communication, placing outgoing
communications to the first handset and the second handset.

10. (Original) The method of Claim 9, further comprising:
connecting the incoming communication to the first handset to be
answered of either the first handset or the second handset.

11. (Original) The method of Claim 10, further comprising:
dropping each of the outgoing communications other than the outgoing
communication associated with the first handset to be answered.

12. (Canceled)

13. (Currently Amended) The method of ~~Claim 12~~ Claim 8, wherein the first
handset comprises a digital cordless handset for communicating with the one or more
wireless access points via the unregulated wireless connection.

14. (Currently Amended) The method of ~~Claim 13~~ Claim 8, wherein the second
network comprises a wireless network operative to provide wireless telecommunications
on regulated wireless communications frequencies.

15. (Currently Amended) The method of Claim 14, wherein the second handset
comprises a ~~digital cordless handset operative for use with the second network~~ wireless
device operative to communicate with the wireless network via the regulated wireless
communications frequencies.

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16. (Currently Amended) The method of ~~Claim 13~~ Claim 8, wherein the second network comprises a public switched telephone network.

17. (Currently Amended) The method of Claim 16, wherein the ~~one or more handsets comprise wired handsets~~ second handset comprises a wired handset connected to the public switched telephone network.

18. (Currently Amended) A system for providing a single telephone number for use with a plurality of handsets, the system comprising:

a ~~wireless first network including a broadband residential gateway comprising a first network device operative to communicate with a wired data network, a second network device operative to provide a communications link to one or more wired network devices over a local wired connection, and a wireless access point one or more wireless access points wired to the wired data network~~ the wireless access points operative to provide wireless access to the wired data network over an unregulated wireless connection;

one or more digital cordless handsets ~~for communicating operative to communicate with the one or more wireless access points~~ point via the unregulated wireless connection ~~in order to provide the voice and data services for wireless access to the wired data network~~;

~~a broadband residential gateway comprising a first network device for communicating with the wired data network, a second network device for providing a communications link to one or more wired network devices over a local wired network, and a wireless access point operative to provide wireless access to the wired data network over an unregulated wireless connection; and~~

a second network operative to provide telecommunications services in conjunction with one or more handsets operative for use with the second network, and wherein ~~a one at least one~~ of the one or more digital cordless handsets and ~~a one at least one~~ of the one or more handsets operative for use with the second network are assigned a single telephone number.

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19. (Currently Amended) The system of Claim 18, wherein the one or more wired network devices comprise one or more digital wired handsets for communicating with the wired data network and wherein ~~any~~ at least one of the wired network devices ~~may also be~~ is assigned the single telephone number.

20. (Currently Amended) The system of ~~Claim 19~~ Claim 18, wherein the local wired ~~network~~ connection comprises a home phoneline networking adapter ~~network connection~~.

21. (Currently Amended) The system of ~~Claim 20~~ Claim 18, wherein a call directed toward the single telephone number is operative to generate a ring tone at the at least one of the one or more digital cordless handsets and at the at least one of the one or more handsets for use with the second network ~~and assigned the single telephone number~~.

22. (Currently Amended) The system of Claim 21, wherein the ring tone is generated substantially simultaneously at the at least one of the one or more digital cordless handsets and at the at least one of the one or more handsets assigned the single telephone number.

23. (Currently Amended) The system of ~~Claim 22~~ Claim 18, wherein the second network comprises a public switched telephone network.

24. (Currently Amended) The system of Claim 23, wherein the one or more handsets operative for use with the second network comprise wired handsets connected to the public switched telephone network.

25. (Currently Amended) The system of ~~Claim 22~~ Claim 18, wherein the second network comprises a wireless network operative to provide wireless telecommunications on regulated wireless communications frequencies.

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26. (Currently Amended) The system of Claim 25, wherein the one or more handsets operative for use with the second network comprise ~~digital cordless handsets~~ wireless devices operative for use with the second network to communicate with the wireless network via the regulated wireless communications frequencies.

27. (New) A system for providing a single telephone number for use with a digital cordless handset and with a second handset, the system comprising:

means operative to receive an incoming call directed to a telephone number, wherein the telephone number is assigned to the digital cordless handset and the second handset;

means operative to route the incoming call to the digital cordless handset, wherein the digital cordless handset communicates via an unregulated wireless connection with a wireless access point wired to a wired data network for wireless access to the wired data network; and

means operative to route the incoming call to the second handset, wherein the second handset communicates with a telecommunications network.

28. (New) The system of claim 27, further comprising:

means operative to place outgoing calls to the digital cordless handset and the second handset, in response to receiving the incoming call directed to the telephone number; and

means operative to connect the incoming call to the first handset to be answered of either the digital cordless handset or the second handset.

29. (New) The system of claim 28, further comprising:

means operative to drop the outgoing communication other than the outgoing communication associated with the first handset to be answered.